



Great Wall Information Security GWIS

Cryptography is both the practice and study of the techniques used to communicate and/or store information or data privately and securely, without being intercepted by third parties. This can include processes such as encryption, hashing, and steganography. Cryptography is a broad field with applications in many critical areas of our lives.

Learn Cryptography is dedicated to helping people understand how and why the cryptographic systems they use everyday without realizing (such as banking transactions, website logins, etc) work to secure and protect their privacy

By the end of this course you should have developed an understanding of:

- Recognize the growing importance of information security specialists to the information technology (IT) infrastructure and see how this can translate into a rewarding career.
- Develop a strategy for pursuing a career in information security.
- Comprehend information security in the context of the mission of a business.
- How you select appropriate techniques to tackle and solve problems in the discipline of information security management.
- Why information security and its management are important for any modern organisation.
- How an information security management system should be planned, documented, implemented and improved, according to the standard.

GWIS provides a range of technologies, professional services, training and services to optimize security for your interconnected business. GWIS will work with your personnel to assess security threats, build layered defenses into your IT environment and communication systems. Our plans provide secure and fast response to **protect your data and your reputation**.

Early Bird Discount:

- One month before the event entitle to 15% discount.
- Three and above from same corporation, entitle to 15% discount

Cancellation Policy:

- Cancel one month before the date of event; free cancellation and full refund.
- Cancel two weeks before the date of event; 20% administrative fees will be charged.
- Any cancellation less than 2 weeks; 50% administrative fees will be charged.

The date and venue is subject to change without prior notice. Any changes by the organizer, the candidate is entitled for a full refund or he/she can request change of date without additional cost.

Our Speakers

Magdy Saeb, Prof.

Magdy Saeb received the BSEE, School of Engineering, Cairo University, in 1974, the MSEE, and Ph.D. degrees in Electrical & Computer Engineering, University of California, Irvine, in 1981 and 1985, respectively. He was with Kaiser Aerospace and Electronics, Irvine California and The Atomic Energy Establishment, Anshas, Egypt. He is a professor emeritus and a former head of the Department of Computer Engineering, Arab Academy for Science, Technology & Maritime Transport, Alexandria, Egypt; He was on-leave working as a principal researcher An the Malaysian Institute of Microelectronic Systems (MIMOS). While in MIMOS, he obtained five US/International Patents in Cryptography. He is the CTO, Great Wall Information Security.

He taught, at the University level, in the United States, Saudi Arabia, Bahrain and The Emirates. He has published more than 75 peer-reviewed papers in the area of information security. His current research interests include Cryptography, FPGA Implementations of Cryptography and Steganography Data Security Techniques, Encryption Processors, Mobile Agent Security.

Ahmed Ayoub, Asst. Prof.

Ahmed Ayoub (IEEE M'04) was born in Egypt, 1972. He got his PhD in optical computing from faculty of electrical engineering and informatics, Budapest University of technology and economics, Hungary, 2005. His MSc in biophysics engineering is from faculty of engineering, Cairo University, Egypt, 2000. His BSc in computer engineering from Banha high institute of technology, Egypt, 1994.

He has 25 publications in optical wave computing and 3 patents in optical information security. He joined the analogic and neural systems laboratory, computer and automation research institute (SZTAKI) in Budapest. His recent research interests are optical information security and optical wave computers.

Rania Kadry, Asst. Prof.

Rania Kadry, graduated from Sacred Heart Girls' Franciscan Sisters high School, Alexandria, Egypt, 1992. Studied Business Administration, American University in Cairo, 1996. She holds a BS. And MS. Degrees in computer Engineering, Arab Academy for Science and Technology and Maritime Transport (AAST) in 1997, 2005 respectively. Her Master's was on "VLSI Implementation of Simple Graphics Coprocessor". She earned her PhD, in Computer Science, The University of Salford, Manchester, UK, 2013. "Automated Classification in Digital Images of Osteogenic Differentiated Stem Cells". Currently she is an Assistant Professor in Computer Engineering Department, AAST. Her research interests include: Biomedical Engineering, Intelligent Systems, Signal and Image Processing, Neural Networks, Genetic Algorithms, Information Extraction, Computer Architecture and hardware implementation using FPGAs

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